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Vinson&Elkins
ATTORNEYS AT LAW



VINSON & ELKINS L.L.P.
2300 FIRST CITY TOWER
1001 FANNIN STREET
HOUSTON, TEXAS 77002-6760
TELEPHONE (713) 758-2222
FAX (713) 758-2346
www.velaw.com

Margaret J. Sampson
Direct Dial (512) 542-8569
Direct Fax (512) 236-3264
msampson@velaw.com

September 21, 2004

CERTIFICATE OF MAILING

I, certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date below:

September 21, 2004 
Date: Margaret J. Sampson

MAIL STOP AMENDMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No. 10/798,790 entitled "DERIVATION OF TERMINALLY DIFFERENTIATED DOPAMINERGIC NEURONS FROM HUMAN EMBRYONIC STEM CELLS" by Satish Totey and Geeta Ravindran
(Our Ref: REL494/4-002US/58000)

Dear Sir:

Enclosed for filing in connection with the above-referenced patent application are:

1. Information Disclosure Statement;
2. Form PTO/SB/08 including references A1-A14, B1-B7 and C1-C37; and
3. A return postcard to acknowledge receipt of these documents. Please date stamp and mail this postcard upon receipt.

It is believed that no fees are due relating to these documents. Should any fees under 37 C.F.R. §§ 1.16 to 1.21 be required for any reason relating to the enclosed materials, the Commissioner is hereby authorized to deduct said fees from VINSON & ELKINS L.L.P. Deposit Account No. 22-0365/REL494/4-002US/58000.

Respectfully submitted,



Margaret J. Sampson
Reg. No. 47,052

1864:201488

Enclosures

cc: Purnima Malkani (w/o encls.)
Marya Breig, Docket Specialist (w/o encls.)

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Satish Totey and Geeta Ravindran

Serial No.: 10/798,790

Filed: March 11, 2004

For: DERIVATION OF TERMINALLY
DIFFERENTIATED DOPAMINERGIC
NEURONS FROM HUMAN
EMBRYONIC STEM CELLS

Group Art Unit: 1636

Examiner: Unknown

Atty. Dkt. No.: REL494/4-002US/58000

Confirmation No. 5605

CERTIFICATE OF MAILING
37 C.F.R 1.8

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September 21, 2004


Margaret J. Sampson

Date:

INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on the attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents (References A1-A14, B1-B7, and C1-C37) required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is hereby authorized to deduct said fees from Vinson & Elkins L.L.P. Deposit Account No. 22-0365/REL494/4-002US/58000.

Respectfully submitted,



Margaret J. Sampson
Reg. No. 47,052
Attorney for Applicant

Vinson & Elkins L.L.P.
2300 First City Tower
1001 Fannin Street
Houston, Texas 77002-6760
512-542-8569
Date: September 21, 2004

31 P E INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>SEP 23 2004 PAPER & TRADES REG OFFICE</i>				Application Number	10/798,790
				Filing Date	3-11-04
				First Named Inventor	Satish Tote & Getta Ravindran
				Group Art Unit	1636
				Examiner Name	Unknown
Sheet	1	of	5	Attorney Docket	REL494/4-002US/58000

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code (if known)			
	A1	5,514,552			05/07/96	Rosner et al.
	A2	5,843,780			12/01/98	Thomson
	A3	6,090,622			07/18/00	Gearhart et al.
	A4	6,200,806			03/13/01	Thomson
	A5	6,602,711			08/05/03	Thomson et al.
	A6	2002/0009743			01/24/02	Carpenter
	A7	2002/0019046			02/14/02	Carpenter et al.
	A8	2002/0039724			04/04/02	Carpenter
	A9	2002/0151053			10/17/02	Carpenter et al.
	A10	2003/0036195			02/20/03	Studer et al.
	A11	2003/0068819			04/10/03	Zhang et al.
	A12	2003/0103949			06/05/03	Carpenter et al.
	A13	2003/0104616			06/05/03	Parikh et al.
	A14	2004/0014210			01/22/04	Jessell et al.
Examiner Initials	Cite No.	FOREIGN PATENT DOCUMENTS			Publication Date MM-DD-YYYY (Number 43)	Name of Patentee or Applicant of Cited Document
		Country Code	Number	Kind Code (if known)		
	B1	WO	01/51616		07/19/01	Geron Corporation
	B2	WO	01/83715		11/08/01	The Government of the U.S. of America
	B3	WO	01/88104		11/22/01	Geron Corporation
	B4	WO	02/086073		10/31/02	Memorial Sloan-Kettering Cancer Center
	B5	WO	03/000868		01/03/03	Geron Corporation
	B6	WO	03/104444		12/18/03	ES Cell International PTE Ltd.
	B7	WO	2004/015077		02/19/04	University of Georgia Research Foundation, Inc.
Examiner Signature					Date Considered	

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NON-PATENT LITERATURE DOCUMENTS

C1	Åkerud <i>et al.</i> , "Neuroprotection through Delivery of Glial Cell Line-Derived Neurotrophic Factor by Neural Stem Cells in a Mouse Model of Parkinson's Disease." <i>J. Neurosci.</i> 21:8108-8118 (2001)
C2	Bain <i>et al.</i> , "Embryonic Stem Cells Express Neuronal Properties <i>in Vitro</i> ." <i>Developmental Biology</i> 168: 342-357 (1995)
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C7	Buehr <i>et al.</i> , "Mesonephric Contribution to Testis Differentiation in the Fetal Mouse." <i>Development</i> 117:273-281 (1993)
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C19	Lee <i>et al.</i> , "Efficient Generation of Midbrain and Hindbrain Neurons From Mouse Embryonic Stem Cells." Nature Biotech. 18:675-679 (2000)
C20	Lin <i>et al.</i> , "GDNF: A Glial Cell Line-Derived Neurotrophic Factor for Midbrain Dopaminergic Neurons." Science 260:1130-32 (1993)
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	C29	Svendsen et al. , "Long-Term Survival of Human Central Nervous System Progenitor Cells Transplanted into a Rat Model of Parkinson's Disease." <i>Experimental Neurology</i> 148:135-146 (1997)
	C30	Thomson et al. , "Embryonic Stem Cell Lines Derived from Human Blastocysts." <i>Science</i> 282:1145-47 (1998)
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	C36	Yurek and Sladek, "Dopamine Cell Replacement: Parkinson's Disease." <i>Annu. Rev. Neurosci.</i> 13:415-40 (1990)
	C37	Zhang <i>et al.</i> , "In vitro Differentiation of Transplantable Neural Precursors From Human Embryonic Stem Cells." <i>Nature Biotech.</i> 19:1129-1133 (2001)
Examiner Signature		Date Considered